ALAMO INDUSTRIAL™

HYDRO 15

15 Foot Flex Wing Hydraulic Driven Mower

INFORMATION & SERVICE BULLETINS

Manual P/N 02980505
(07/05)

Alamo Industrial
P. O. Drawer 549
Seguin, Texas 78155
830-372-3551

2005 Edition

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BOOK INTRODUCTION INFORMATION & SERVICE BULLETINS

This Book is divided into two Sections

Section One - Technical Information Bulletins

1. **Technical Information Bulletins:** Information Bulletins are listed by Bulletin Number (Date). Example the oldest Bulletin will be listed first and the most recent bulletin will be listed last. Bulletin No. 021002 = first & second digits are the month, the third & fourth digits are the day of the month and the fifth & sixth digits are the year this means, the bulletin was written on Feb, 10, 2002. If more than one bulletin was written on that day the a dash with a number will added, example -1, -2 etc.
2. **Authorize Repairs:** Technical Information Bulletins **do not authorize** any repairs to be made under warranty or any other circumstance unless specifically instructed to do so.
3. **Bulletin Reference:** Some Technical Information Bulletins will refer to the corresponding Service Bulletins for repairs and some are for information only.
4. **Bulletin Instructions:** Technical Information Bulletins should have all the instructions as to what you need, but may not have all the information needed to make an installation complete. In some cases it may be required to refer to other manuals for more complete information, this should be suggested in the Technical Information Bulletin.
5. All Technical Information Bulletins printed in this Manual will void any previously printed Bulletin. Any changes in these bulletins are the final version as of the date of this manual.

Section Two - Service Bulletins

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SECTION 1

TECHNICAL INFORMATION BULLETINS

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TECHNICAL INFORMATION BULLETIN No. 060795

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Hydro 15	**Bulletin No:** 060795 (old # IB-695-3)	**Date:** Jun. 7, 1995

Parts Book Error - Manual Dated Jan. 1993:

The HYDRO 15 Flex Wing mower is hydraulically - driven and hydraulically positioned machine. As the operator, you have the most control as to how the machine operates. The operation and performance of the machine is affected by the adjustment of the machine. Lets look at the many factures affecting the operation of the Hydro 15.

1. The Tractor Draw Bar should be adjusted to a length of 14", measured from the end of the 540 RPM PTO Shaft of tractor to the center of the tongue hitch pin.

2. The Bolt and Locknut that are installed on the Hydro 15 are special material. The Clevis pulling yoke will serve well if assembled properly. You, as the operator, have the duty of checking to see that this bolt and nut are tight and in place. The Bolt will have six marks on top indicating a grade 8. The nut should be pulled up tight and there should be spacer washers between the tow clevis and the draw bar, these are to take up the space between the clevis and draw bar. The owners manual will have a drawing showing this connection in section 5, page 11.

3. Check the sight glass on the oil tank of the Hydro 15. It is located on the front wall of the hydraulic tank. Oil should be visible in the sight glass when the mower is level (sitting level). USE CAUTION; If the oil is low, clean the oil cap and the area around it of any debris that might fall into the oil tank. Push the relief valve to relieve any pressure from tank, the oil tank is a closed system and designed to retain approximately 12 psi. Oil should be added by removing the spin-on the air breather (do not do this with any pressure in tank) and remove the pressure relief from the top of the tank.

4. When adding oil to the system of the Hydro 15, keep grass, dirt, dust and other foreign matter away from the filter tube and oil container. Replace the relief valve and spin-on breather after oil is added.

5. The Oil information is found in section 5, page 3. Oil type is listed there under Exxon (Nuto H-100), Gulf (harmony 100 AW) and Shell (Tellus 100) or equal.

6. Check the Hydro 15 blades, bolts and blade bar for signs of wear or loosening. Section 5, page 5 of the manual has detailed information on this procedure.

7. Check the six bolts that hold each spindle to the Hydro 15 deck. This information may be found in section 5, page 4.

8. Inspect the hydraulic system in general and spot any oil leaks that may be in the system. Tighten any fittings that may have become loose. The fittings on the hydro 15 are a flair type and hold very well but must not be over tightened.

9. The Hydro 15 will do an excellent mowing job if it is properly setup. To check the setup on the Hydro 15, pull the mower (connected to the tractor) to a level (paved preferred) area and lower the wings from the transport position. Set the mower (center and wings) down to the lowest position. Your Hydro 15 manual has this information in section 4, pages 5 & 6.

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10. There is a Valve attached to the tractor within easy reach of the operator. The three spool valve is for control of the Hydro 15 level lift and wing angle, with one handle for each wing. Two segments of the valve have "detent" that will allow the wings to "float" on the contours of the ground surface. The other valve segment is spring loaded to center on "off" position. This valve segment is connected to the level lift system. The Hydro 15 may be raised to transport height and the control valve may be released. The Hydro 15 will remain at the set height until the control valve handle is moved by the operator.

11. Move the mower to a clear area, lower the wings. Slowly engage the PTO (540 RPM) control with the tractor engine running at 1000 RPM engine speed (Not PTO Speed). Do not try to set the mower down in the material you are going to mow, this would be like trying to start your car in high gear going up a hill. Start the Hydro 15 in a clear mowing area or raise the mower (with the level lift system) up out of the grass. Increase tractor engine RPM to the Tractor Manufacturers recommended engine speed to produce 540 PTO RPM, then you may begin mowing. Operators instruction and trouble shooting guide may be found in section 4, pages 10, 11 & 12. CAUTION ! Tractors now have a "brake" on the PTO Shaft. If the tractor RPM is above idle when the PTO is disengaged, excessive strain is placed on all components of the drive system. Therefore the only correct procedure to use when disengaging the PTO is to reduce the tractor engine speed to an idle before moving the PTO handle to the "off" position.

12. With PTO turning , lower the level lift system to the desired height, place wing control levers in the "float" position. The Mowing ground speed will vary and can be determined by the conditions of the area, roughness of terrain, vegetation thickness, type of vegetation. The operator will have to select the gear for ground speed that gives the best mowing job.

13. The Hydro 15 has a relief valve on each of the three hydraulic motors. These relief valves will emit a high squeak when activated. When a relief valve is activated the forward progress should be stopped. If the relief valve was activated the forward progress should be stopped. If the relief valve was activated due to excessive forward ground speed for the amount of vegetation encountered, a lower gear of tractor should be selected. If relief is activated due to foreign material becoming entangled in the blade or carrier, the foreign material must be removed after the mower has been completely shut down and tractor engine has been turned "off". Use the proper procedure to secure the tractor so it cannot be started until all work is done and every one is clear.

14. Use the owners manual / parts book to keep a record of the maintenance records on the Hydro 15. Daily and weekly sample forms are found in section 5, pages 2 & 7.

NOTE:

Tractor RPM & PTO, We have heard operators say, "I run my tractor at a low engine RPM to save the engine". This is erroneous thinking! The tractors are designed for continuous operations at the rated PTO shaft speed of 540 RPM. Always keep the tractor running at the speed that will result in 540 RPM at the PTO shaft.

We have seen operators running in third or fourth gear and traveling on really rough ground throttle back the engine speed down in order to slow the forward speed, this isn't a proper procedure. The proper procedure is to shift the tractor to a lower gear that will give a slower ground speed while maintaining the tractor engine RPM to maintain a 540 RPM PTO Speed.

Section 5, page 3 has exact details of the filter change procedure. Two replacement filters, P/N 00751529 and a 5 gallon container of oil is shipped with each new Hydro 15. Use this oil to refill reservoir after filters are changed. See section 5, page 12 for Filter change procedures.

TECHNICAL INFORMATION BULLETIN No. 060795

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HYDRO 15 (HY15)

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TECHNICAL INFORMATION BULLETIN No. 012496

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Hydraulic Units using P/N 00768991 Speed Increaser	**Bulletin No:**	**Date:**
	012496	Jan. 12, 1996

New Sealing Washers Used on Plugs of Speed Increaser:

Speed Increaser Assembly P/N 00768991: Plug Seal Update, There have been some isolated reports of the case plugs backing out on the above mentioned Speed Increasers, causing loss of oil and cataastrophic failures of the gearbox.

Test conducted by Alamo Industrial revealed when ambient temperatures exceeded approximately 100° F. the nylon and plastic washers on the plugs would get soft or melt, this allowed the plug to back out.

We have contacted our supplier of these parts and had the material specifications changes for these washers. The new washers are made of aluminum istead of the old nylon or plastic. The part number for the washers (P/N 00754536 and 00755424) will remain the same as there will be no changes in the way they fit, only in the type material they are made out of.

All units operating in warm temperature of 100° F. or higher should be changed right away to prevent plugs from backing out.

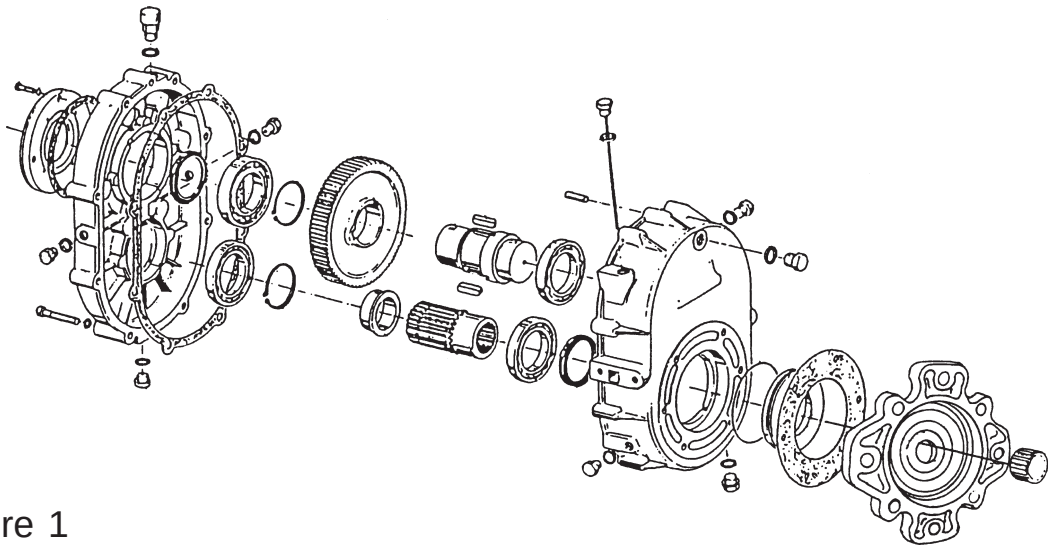

Figure 1

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TECHNICAL INFORMATION BULLETIN No. 040896

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Models using Single Acting Hydraulic Cylinder	**Bulletin No:**	**Date:**
	040896	Apr. 8, 1996

Oil Leaking from new single Acting Hydraulic Cylinders:

There have been numerous cases of the dealers and customers replacing single acting hydraulic cylinders on new machines due to oil leakage out of the vent plug in the cylinder.

In many of these instances, no defect could be found in the cylinders. Further investigation has revealed that he manufacture of our cylinders is leaving oil in the cylinders after their testing. The Oil is left to help protect the interior of the cylinders during storage. When the cylinders are fully actuated, they are forcing this oil out the vent plug, causing what appears to be a leaking cylinder through the vent plug. Even the oil is cleaned off the cylinder after testing there is enough oil still inside the cylinder to bleed out when used.

If you have a New Cylinder that appears to be leaking from the vent plug, The oil should be cleaned off and unit ran for a few days to a week to determine if the Cylinder is leaking, or if it is the oil that was left in the cylinder to protect it. It has been found that in some cases it has taken as much as a week for this to appear that it is not leaking.

If after running and cycling the cylinder during operation and the cylinder continues to leak then the necessary repair should be performed.

Cylinders that are attracting dust around them is not considered to be leaking. This dust collecting around them is considered normal.

All Cylinder that are returned as leaking will be pressure tested for leakage to determine the condition of the Cylinder and its components.

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TECHNICAL INFORMATION BULLETIN No. 080300

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Machete, A-Boom, Versa, Rear Mount, Slopemower, Brahma, EKII, Hydro 60, Hydro 72 & Hydro 15 All Hydraulic powered Rotary Mower heads that utilize the # 02960553B, 02960553C and 02968859A Spindle Assemblies.	**Bulletin No:** 080300	**Date:** Aug. 3, 2000

Spindle Oil Filler Kit P/N 02976501:

A Spindle oil filler kit has been developed to provide accurate an easy fill of oil into the spindles used on all hydraulic powered mowers. The Oil filler Kit P/N 02976501 is available through Alamo Industrial Parts dept.

Installation requires the replacement of the fill plug with the female quick connect fitting. To fill the spindle. attach the hose and oil bottle to the spindle by utilizing the quick connect fittings. remove the vent plug and pump in the oil untill oil is seen at the vent plug opening. reinstall the vent plug and remove the bottle at the quick connect fitting. The female quick disconnect is designed to be left on the spindle in place of the fill plug.

Utilization of this spindle fill kit should decrease maintance time and failures by providing accurate oil fill of the spindle assembly.

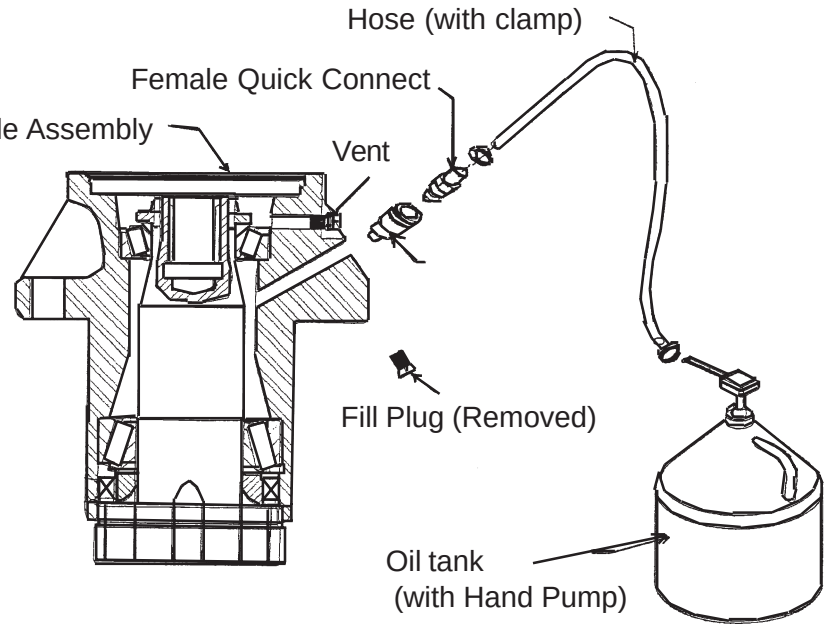

Figure 1

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TECHNICAL INFORMATION BULLETIN No. 040901

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Alamo Industrial Products are affected.	**Bulletin No:**	**Date:**
	040901	Apr. 9, 2001

Change in the availability of rebuilt components:

This bulletin has been published to inform you of a change in the availability of rebuilt parts. In the past, rebuilt components such as pumps and motors were available for use as spare parts. That will no longer be the case. The major factor in this decision was the lack of cores that are returned from the customer.

Since Alamo Industrial will no longer offer rebuilt parts an effort will be made to offer customers a complete parts listing of all components that are needed as service repairs. The most common service parts are pumps and motors will now be available for order through Alamo Industrial Customer Service Department. Likewise, a parts breakdown with Alamo Industrial part numbers will be provided. The Eaton Pumps and Motors, Danfoss Control Valves will be the first components available with such a parts breakdown.

It is Our intention to provide a better and more reliable service parts system. This transition will better suit customer, and provide more timely and efficient parts delivery.

This document does not authorize the repair or replacement of parts under warranty

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TECHNICAL INFORMATION BULLETIN No. 101802

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Machete, A-Boom, Versa, Rear Mount, Slopemower, Brahma, EKII, Hydro 60, Hydro 72 & Hydro 15 All Hydraulic powered Rotary Mower heads that utilize the # 02960553B, 02960553C and 02968859A Spindle Assemblies.	**Bulletin No:** 101802	**Date:** Oct. 18, 2002

Spindle Bearing Lubrication Update:

Normal maintenance of the # 02960553B, 02960553C and 02968859A Spindle assemblies has included the addition of NLGI 000 grease to provide proper lubrication of the bearing assemblies. Due to repeated customer requests, this lubrication requirement has been changed to NLGI EP, # 2 Lithium Wheel Bearing Grease.

Implementation of this grease will allow improved lubrication especially to the top bearing as well as substantial improvement of the daily maintenance requirements.

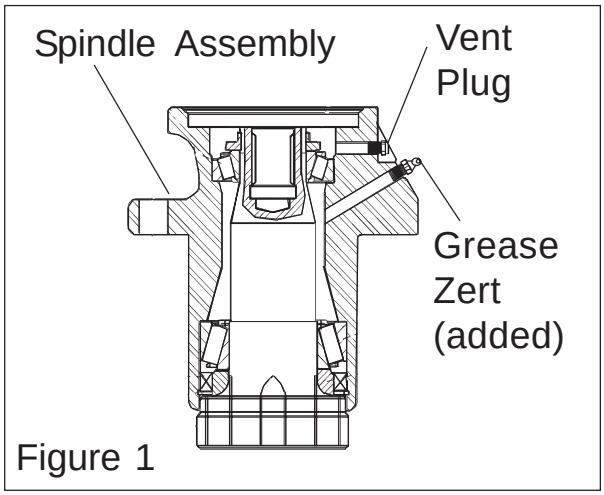

Figure 1

Conversion:

1. Remove the existing fill plug from the spindle housing and discard it. (this is the lower plug in figure 1)
2. Install a standard 1/4" fine thread grease zert into the fill plug port as shown in figure 1.
3. Remove the Vent plug (Top plug in figure 1)
4. Fill the housing with NLGI EP, # 2 Lithium Grease or equivalent from a standard grease gun until the new grease is seen in the vent plug hole. (Approximately 2 standard grease tubes will be required when Spindle Assembly is empty).
5. Clean off any excess or over flow grease and reinstall vent plug.
6. Maintain proper lubrication with 5 pumps of grease into the spindle every 8 hours of use. This will keep the Spindle bearings lubricated.
7. Always clean excess Grease away from Spindle after greasing Spindle.

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TECHNICAL INFORMATION BULLETIN No. 040411

Alamo Industrial ™ Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Hydro 15 & Hydro 10 units Shipped Nov. 04, 2004 and after	**Bulletin No:** 040411	**Date:** Nov. 04, 2004

Adapter Bushing Removed From Speed Increaser :

Subject:

The adapter bushing P/N 00762689 has been removed from the Speed Increaser. The spacer is replaced by the use of a snap ring on the splined adapter, this snap prevents the splined adapter from being pushed into the speed increaser to far. The splined adapter will not function correctly without this snap ring . The purpose of this bulletin is to inform that thers has been a change in the design of this speed increaser, check whitch type you have by the snapring on the splined adapter. See drawing below.

Service Required:

Clean the area around the pump and speed increaser of all debris and dirt before removing pump. Remove the pump to expose the splined adapter. Install snap ring onto splined adapter. Insert splind adapter into the speed increaser with the snap ring outward. Reinstall the pump to the speed increaser. Run and test for operation.

Parts Involved: None / Information

Item	Part No.	Description
1.	02982097	Speed Increaser
2.	00751954	Snap Ring
3.	00751536	Splined Adapter
4.	02978484	Pump
5.	00751942	Breather Plug

NOTE:
This speed increaser has a steel housing.

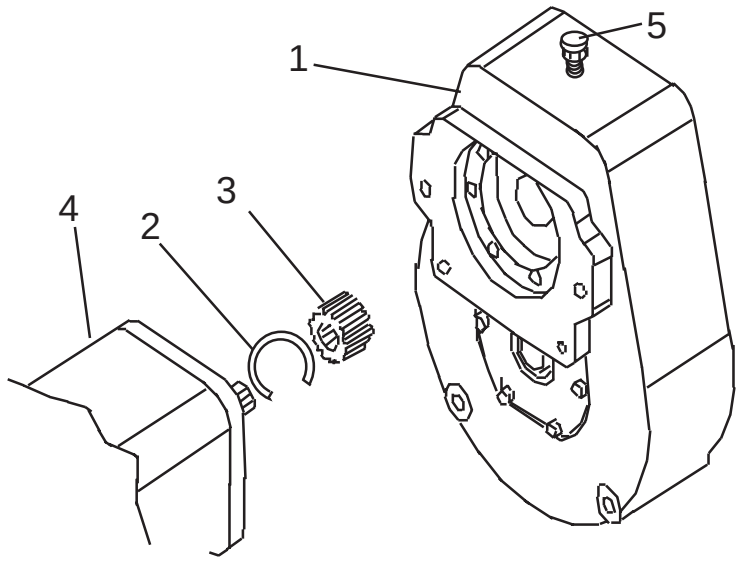

Figure 1

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SECTION 2

SERVICE BULLETINS

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SERVICE BULLETIN No. 922002

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: All Models using Aircraft Tire & Wheel P/N 00749700	**Bulletin No:** 922002 (Old # 92-002)	**Date:** Feb. 20, 1992

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	.0 hr. (to be determine on case by case)	No Parts Involved	May 15, 1992

Aircraft Tire & Wheel Operating Procedure :

Subject:

The Aircraft Tire & Wheel needs to be operated in a safe manner, the purpose of this bulletin is to instruct on the proper and safe operation of this wheel

Service Required:

Wheel inspection, operation procedures and operating limitations.

1. Maximum inflation pressure 50 psi.
2. Maximum Transport Speed 20 MPH
3. DO NOT mount any other type tire on wheel supplied with the aircraft tire.
4. Remove all air pressure from tire prior to trying to dismount tire.
5. Alamo replacement tube the aircraft tire and wheel (P/N 00749700 Tire & Wheel) is Tube P/N 00720302, This is a special tube for the aircraft tire and is not generally available at most tire stores.

Parts Involved:

P/N 00749700 = Aircraft Tire & Wheel Assembly (25.5 X 8 X 14 20-Ply Aircraft Tire & Wheel).
P/N 00720302 = Replacement Tube for Aircraft Tire & Wheel above.

DO NOT REMOVE these assembly bolts before all air pressure has been released from tire

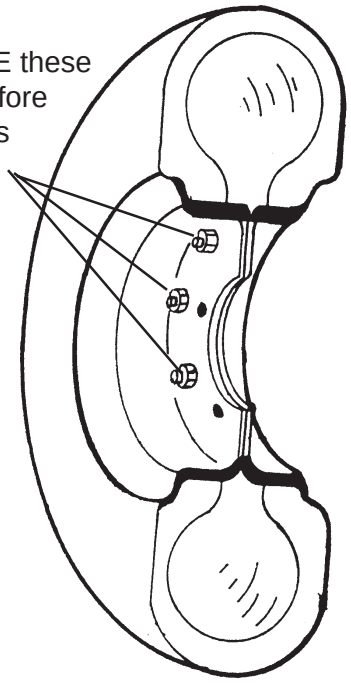

Figure 1

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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SERVICE BULLETIN No. 981704

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: **Hydro 15** Wing Only s/n 02067 to 02110 **Hydro 10** Wing Only s/n 02098 to 02111, **AG72** s/n 01759 to 02030, **AG72H** s/n 01013, **AG15-IV** wing only s/n 03946 to 03970, **AG60B** s/n 01472 to 01589, **AG72B** s/n 02113 to 02160 & 01663 to 01670	**Bulletin No:** 981704 (Old # 980001A)	**Date:** Mar. 17, 1998

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	.0 hr. (to be determine on case by case)	Retain Parts involved for return	May 15, 1995

Blade Date Code Inspection : (with listed date code only apply)

Subject:

Normal random inspection of blades manufactured during the time period from Jan. 7, 1998 to Mar. 11, 1998, which are utilized on the above listed machines indicates that the quality of a small percentage of the blades, may be lower than that which is acceptable to Alamo Industrial standards.

Service Required:

As a precaution, and in the interest of promoting complete customer satisfaction, the following repair procedure is deemed necessary:

1. Replace the mower blades on each mower or mower section as listed above. Only change the blades (blade P/N listed below) on models listed above and blade with the dates codes listed below.
2. Inspect any blades located in your parts stock with the following date codes that are spare parts for the above listed models and/or sections.
3. Date Codes of affected blades are 08007 to 08063, the date codes are stamped into the underside of the blade next to the blade bolt hole, they can be seen from the underside.

Parts Involved: Mower blades involved are P/N 00750788T, 00759339, 0622010330, 582013, 8588A HA750788T & HA582013 but only blades with the above date codes.

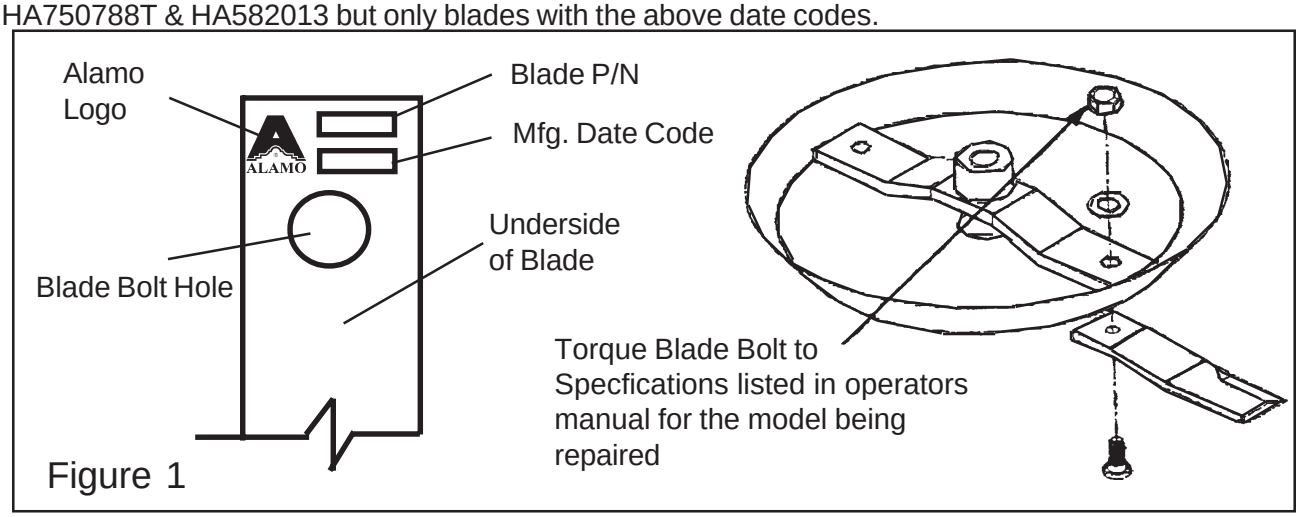
Alamo Logo
Blade P/N
Mfg. Date Code
Underside of Blade
Blade Bolt Hole
ALAMO
Torque Blade Bolt to Specfications listed in operators manual for the model being repaired

Figure 1

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

HYDRO 15 (HY15)

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SERVICE BULLETIN No. 002112

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Any Rotary Mower using any of the blade Part Numbers with the indicated date codes listed in this bulletin.	**Bulletin No:** 002112 (Old # 122100A)	**Date:** Dec. 21, 2000

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	Refer to Alamo Flat rate manual for labor time	Retain Removed Parts for Recall	Apr. 30, 2001

Blade Replacement Notice, Rotary Mowers:

Subject:

During random inspection of rotary mower blades, we determined that a small quantity of blades may be of a quality lower than that which is acceptable to Alamo Industrial. These blades can be identified by the Alamo Industrial Logo, Part Number and Date code that is stamped on the blade next to the blade bolt hole (See Figure 1). Refer to the Blade Numbers listed in this bulletin and their corresponding date codes to identify the blades to be replaced.

Service Required:

To prevent possible blade failures, the following repair procedure is deemed necessary. Immediately inspect all Alamo Industrial Rotary Mowers to determine if they are fitted with blades identified in this bulletin. Replace all blades that have matching part numbers and date codes listed on the following pages. Inspect all of your Parts Inventory of blades to determine if any of these blades on hand match the part numbers and date code. Only blade with matching part number AND date codes will apply to this bulletin. Blade can be check without removing them as the part number and date codes are on the underside of the blade.

Parts Required:

Rotary Mower Blades on mowers and / or in parts inventory should be replaced if numbers and date codes match those listed.

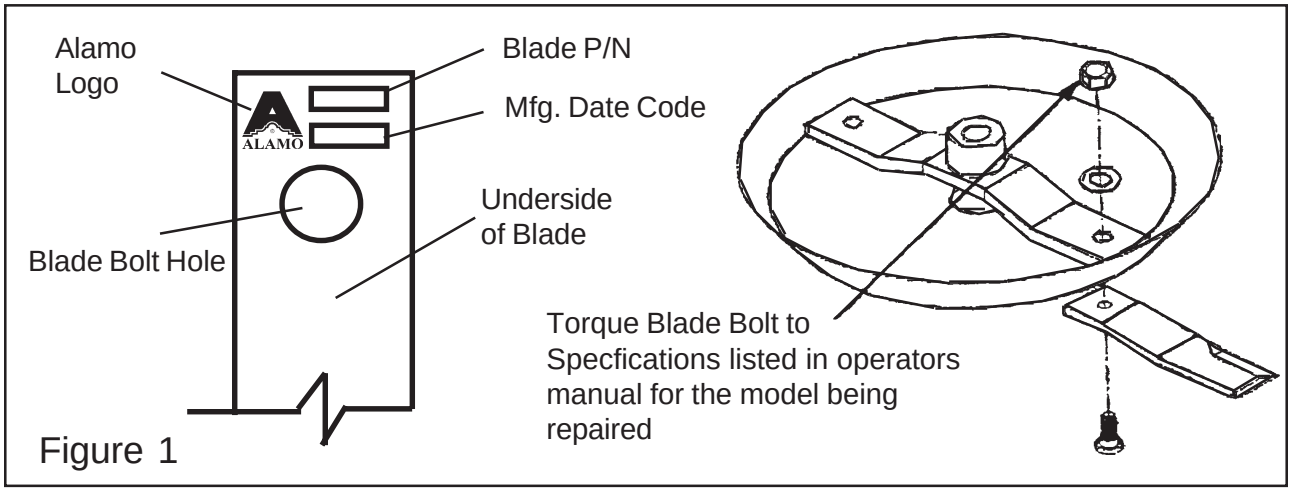
Alamo Logo
Blade P/N
Mfg. Date Code
Underside of Blade
Blade Bolt Hole
ALAMO
Torque Blade Bolt to Specfications listed in operators manual for the model being repaired

Figure 1

Continued Next Page

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Service Bulletin 002112 Continued from previous Page

NOTICE:

The following list of Blades and date codes are the only blades that this bulletin applies to. The part number with the corresponding date code must be stamped on the same blade. Do Not change a blade based on part number or date code alone.

Blade Part No.	Date Code
00127028	0158 or 0159 or H1094
00750787T	0080 or 0081
00750788T	0073 or 0075
00752974	0295
00753254	0110 or A09619
00753841	0166 or 0167 or 0306
00753842	0165 or 0166
00762435	0167
00770975	8306 or 9321
02726900	0089 or 0129 or 0131 or 0130 (*)
02886200	0215
02962635	0201
02964824	0027
0582010330	0180 or 0285 or 0287
1255A	A000550
582013	A000660
7520	0230
8588	0010 or 0095 or 0096 or 0138 or 0251 or 7246 or 9134 or 9258
8589	0146 or 0153 or 0158 or 0244 or 0251
8590	0143 or 0144 or 0234

(*) Heat Code

SERVICE BULLETIN No. 002112

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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SERVICE BULLETIN No. 011704

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Any Rotary Mower using any of the blade Part Numbers with the indicated date codes listed in this bulletin. **- SECOND NOTICE -**	**Bulletin No:** 011704 (Old # 041701B)	**Date:** Apr. 17, 2001

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	Refer to Alamo Flat rate manual for labor time	Retain Removed Parts for Recall	May. 30, 2001

Blade Replacement Notice, Rotary Mowers:

Subject:

During random inspection of rotary mower blades, we determined that a small quantity of blades may be of a quality lower than that which is acceptable to Alamo Industrial. These blades can be identified by the Alamo Industrial Logo, Part Number and Date code that is stamped on the blade next to the blade bolt hole (See Figure 1). Refer to the Blade Numbers listed in this bulletin and their corresponding date codes to identify the blades to be replaced.

Service Required:

To prevent possible blade failures, the following repair procedure is deemed necessary. Immediately inspect all Alamo Industrial Rotary Mowers to determine if they are fitted with blades identified in this bulletin. Replace all blades that have matching part numbers and date codes listed on the following pages. Inspect all of your Parts Inventory of blades to determine if any of these blades on hand match the part numbers and date code. Only blade with matching part number AND date codes will apply to this bulletin. Blade can be check without removing them as the part number and date codes are on the underside of the blade.

Parts Required:

Rotary Mower Blades on mowers and / or in parts inventory should be replaced if numbers and date codes match those listed.

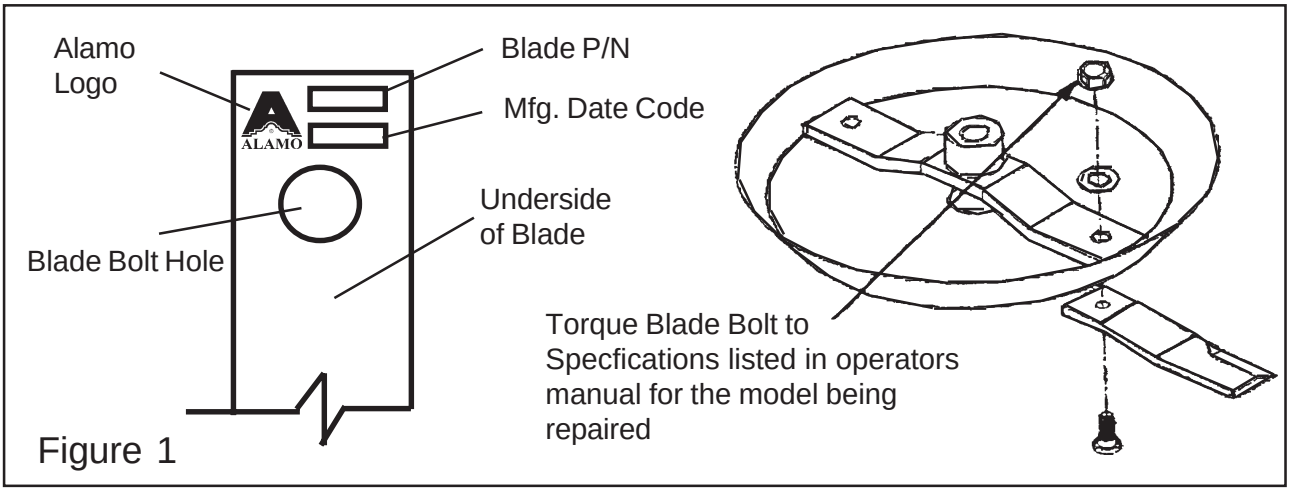
Alamo Logo
Blade P/N
Mfg. Date Code
Underside of Blade
Blade Bolt Hole
ALAMO
Torque Blade Bolt to Specfications listed in operators manual for the model being repaired

Figure 1

Continued Next Page

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Service Bulletin 011704 Continued from previous Page

NOTICE:

The following list of Blades and date codes are the only blades that this bulletin applies to. The part number with the corresponding date code must be stamped on the same blade. Do Not change a blade based on part number or date code alone.

Blade Part No.	Date Code
00127028	0158 or 0159 or H1094
00750787T	0080 or 0081
00750788T	0073 or 0075
00752974	0295
00753254	0110 or A09619
00753841	0166 or 0167 or 0306
00753842	0165 or 0166
00762435	0167
00770975	8306 or 9321
02726900	0089 or 0129 or 0131 or 0130 (*)
02886200	0215
02962635	0201
02964824	0027
0582010330	0180 or 0285 or 0287
1255A	A000550
582013	A000660
7520	0230
8588	0010 or 0095 or 0096 or 0138 or 0251 or 7246 or 9134 or 9258
8589	0146 or 0153 or 0158 or 0244 or 0251
8590	0143 or 0144 or 0234

(*) Heat Code

SERVICE BULLETIN No. 011704

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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SERVICE BULLETIN No. 022008

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Hydro 15 & Hydro 10 S/N 02294 to 02347 Shipped from Jun. 2001 through Jul. 2002	**Bulletin No:** 022008 (Old # 082002)	**Date:** Aug. 20, 2002

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	1.0 hrs. at Dealer registered Shop Rate	No Returnable Parts Involved	Nov. 15, 2002

Missing Adapter Bushing in Speed Increaser :

Subject:

There have been some reports of the adapter bushing P/N 00762689 missing from the Speed Increaser. these would have been missed when assembled. Dealers and registered end users of these units are being notified by mail, phone or fax. The purpose of this bulletin is a recorded notification.

Service Required:

Clean the area around the pump and speed increaser of all debris and dirt. Remove the pump to expose the splined adapter (see figure 1). Behind the splined adapter there should be a spacer (see figure 1). If this spacer is missing it will need to be installed. Install spacer, Splined adapter and rebolt the pump to the speed increaser. Run and test for operation.

Parts Involved: (need item 2 only if missing from assembly)

Item	Part No.	Description
1.	02897900	Speed Increaser
2.	00762689	Spacer
3.	002306	Splined Adapter
4.	00768939	Pump

NOTE:
This speed increaser has a steel housing.

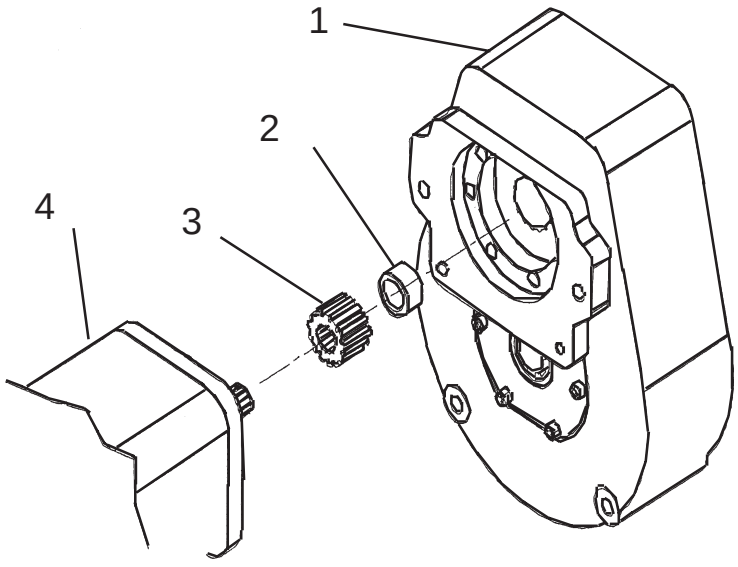

Figure 1

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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SERVICE BULLETIN No. 040411

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: Hydro 15 & Hydro 10 units Shipped Nov. 04, 2004 and after			**Bulletin No:** 051307	**Date:** Nov. 04, 2004
Parts: None N/A	**Labor:** None: N/A	**Old Parts Disposition:** N/A		**Termination Date:** Nov. 04, 2004

Adapter Bushing Removed From Speed Increaser :

Subject:

The adapter bushing P/N 00762689 has been removed from the Speed Increaser. The spacer is replaced by the use of a snap ring on the splined adapter, this snap prevents the splined adapter from being pushed into the speed increaser to far. The splined adapter will not function correctly without this snap ring . The purpose of this bulletin is to inform that thers has been a change in the design of this speed increaser, check whitch type you have by the snapring on the splined adapter. See drawing below.

Service Required:

Clean the area around the pump and speed increaser of all debris and dirt before removing pump. Remove the pump to expose the splined adapter. Install snap ring onto splined adapter. Insert splind adapter into the speed increaser with the snap ring outward. Reinstall the pump to the speed increaser. Run and test for operation.

Parts Involved: (need item 2 only if missing from assembly)

Item	Part No.	Description
1.	02982097	Speed Increaser
2.	00751954	Snap Ring
3.	00751536	Splined Adapter
4.	02978484	Pump
5.	00751942	Breather Plug

NOTE:
This speed increaser has a steel housing.

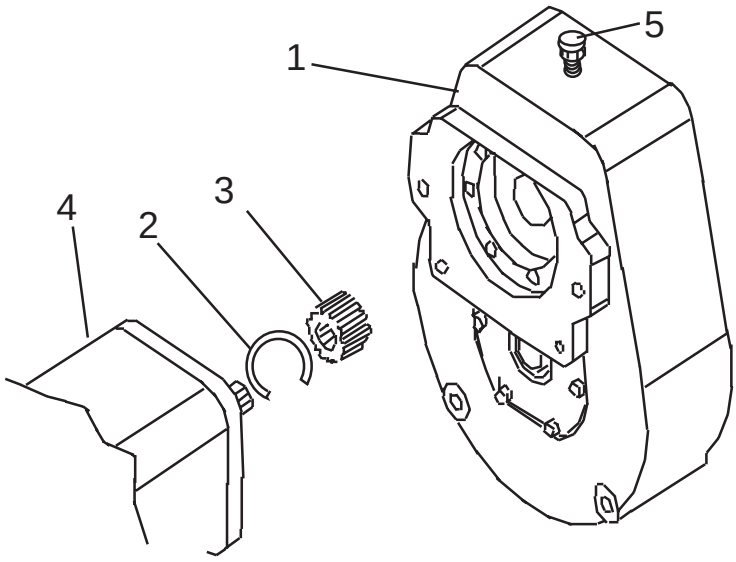

Figure 1

Warranty Compensationif applicable, will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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SERVICE BULLETIN No. 050504

Alamo Industrial Technical Services Department
1502 East Walnut
Seguin, Texas 78155
830-372-2708

Models: A-Boom Rotary Heads, HY15, HY60, MR60 Machete Rotary Heads , Rear Mount Rotary Heads, Versa Rotary Heads, BA60 Heads	**Bulletin No:** 050504	**Date:** May. 5, 2004

Parts:	**Labor:**	**Old Parts Disposition:**	**Termination Date:**
100 % at Dealer Net	1 hr. at Dealer registered Shop Rate	Hold All Parts for disposition under Warranty Policy	Aug. 5, 2004

Blade Carrier Retaining Bolts:

Subject: Due to the Possibility of Bolts that may not meet Alamo Industrial Standard being used in the production process all bolts that meet the Serial Number list below should be changed. This will apply to bolts that were used at factory during assembly process, This WILL NOT include Bolts that were used as replacement parts. If you have a model with the following serial numbers replace the bolts and Lockwashers. Because there are more than one length of Bolt involved it will be required to use the appropriate Parts Manual to determine the Bolt and Washer Number that applies to your model.

Service Required:

1. Remove the Four Allen Head Bolts in the center of the Blade Carrier one bolt and Lockwasher at a time. DO NOT remove all four bolts at one time and DO NOT INSTALL bilts that are longer or shorter than bolts that were removed.
2. Replace one Bolt and Lockwasher, torque it to 400 ft. lbs. then move on to the next bolt.
3. Continued this until all four bolts have been replaced.

Parts Required:

Part No.	Qty	Description
See Manual	4	Allen Head Bolt
See Manual	4	Lockwashers

A-Boom	S/N	06045	to	06071	
B/A	S/N	02534	to	02552	
HY15	S/N	02416	to	02418	
HY60	S/N	01211	to	01211	
Machete	S/N	01360	to	01364	&
	S/N	02017	to	02036	
MR60	S/N	02035	to	02035	
RM	S/N	02405	to	02405	
Versa	S/N	05175	to	05178	&
	S/N	06336	to	06394	

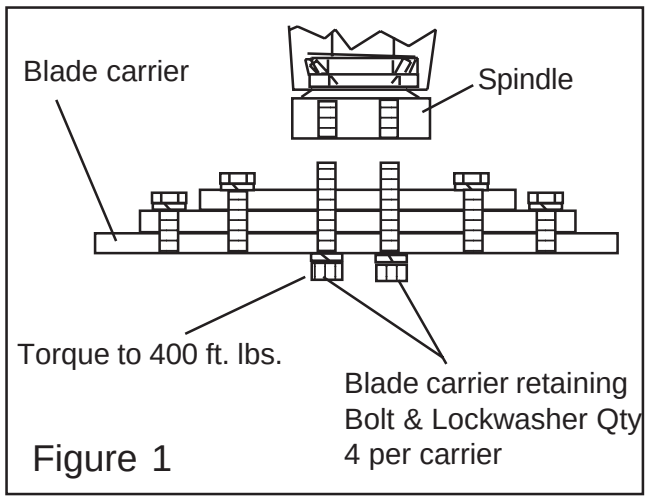

Figure 1

Warranty Compensation will be provided following proper filing of warranty claim in accordance with the Alamo Industrial Warranty Policy. Claim allowance may vary in accordance with laws governing a specific region. Any Warranty associated with this service bulletin must be within authorized dates.

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Hydro 15 & Hydro 10
Technical Information Bulletin
and
Service Bulletin
Manual

Manual P/N 02980505
(07/05)

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